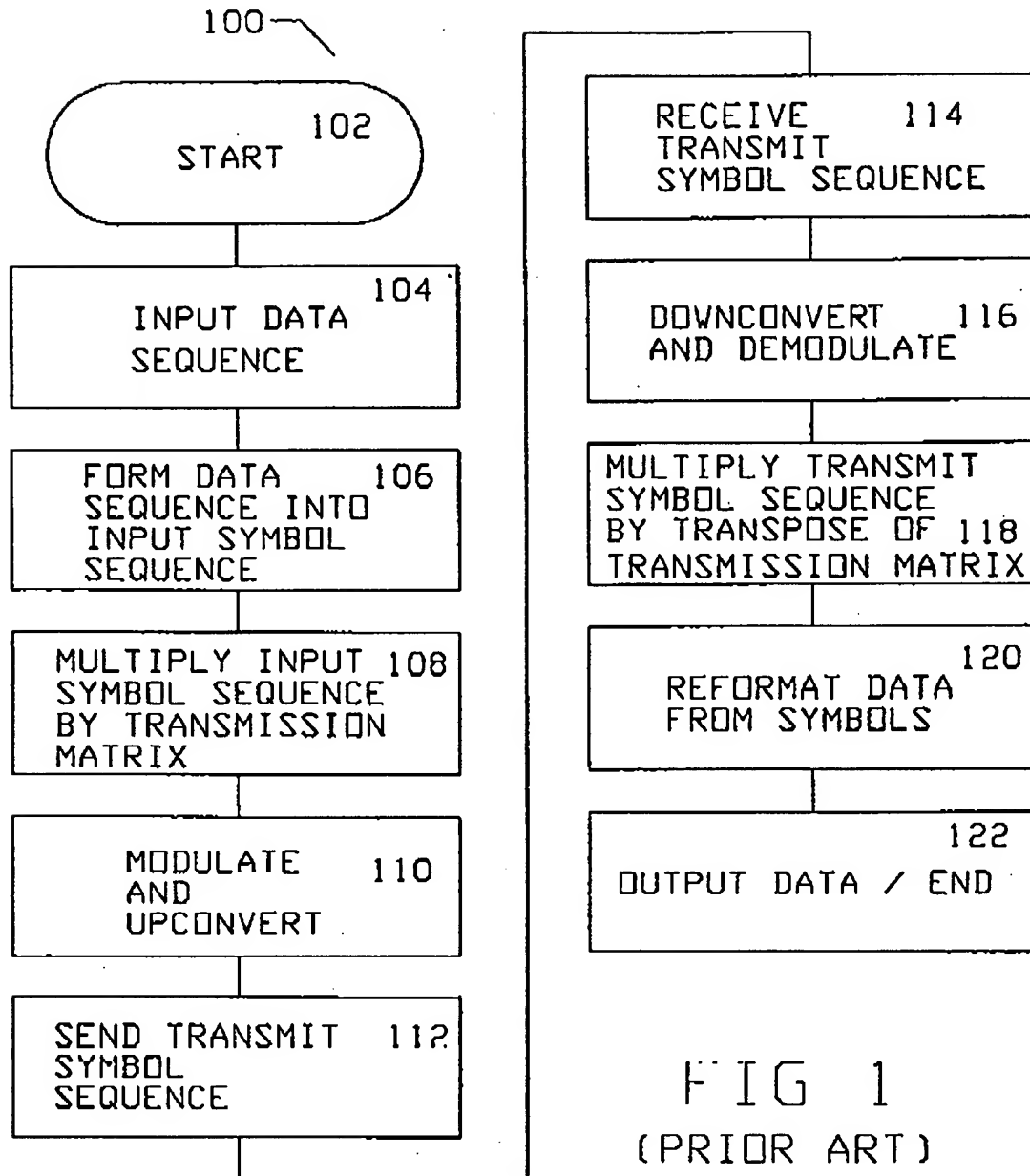


REPLACEMENT SHEET



REPLACEMENT SHEET

300

$$E = 10 \ 1 \ 0 \ -1 \ 01 \quad 302$$

<INPUT SYMBOL SEQUENCE

$$C = \begin{vmatrix} 1 & 2 & 3 & 4 & 5 & 1 \\ -5 & -4 & -3 & -2 & -1 & 4 \\ 3 & 2 & -3 & -1 & -2 & -3 \\ 3 & -4 & -2 & 2 & 1 & 2 \\ 3 & -4 & 5 & 2 & 1 & -3 \end{vmatrix} \quad 304$$

<2 DIMENSIONAL
TRANSMISSION MATRIX

$$F = E \cdot C = 1 \ -8 \ 0 \ -1 \ -4 \ -2 \ 21 \quad 306$$

<TRANSMIT SYMBOL
SEQUENCE

$$F5 = 1 \ -8 \ 0 \ -1 \ -4 \ 21 \quad 308$$

<RECEIVED SYMBOL
SEQUENCE WITH CORRUPT
TERM REMOVED

$$C5 = \begin{vmatrix} 1 & 2 & 3 & 4 & 1 \\ -5 & -4 & -3 & -2 & 4 \\ 3 & 2 & -3 & -1 & -3 \\ 3 & -4 & -2 & 2 & 2 \\ 3 & -4 & 5 & 2 & -3 \end{vmatrix} \quad 310$$

<TRANSMISSION MATRIX
WITH CORRUPT COLUMN
REMOVED

$$K5 = \begin{vmatrix} -.3528 & -.4410 & -.3658 & .2529 & -.1712 \\ -.0110 & -.1388 & -.0739 & -.0233 & -.1304 \\ -.2335 & -.2918 & -.3891 & .0350 & -.0545 \\ .6005 & .5006 & .5564 & -.1401 & .2179 \\ -.3268 & -.4086 & -.5447 & .2490 & -.2763 \end{vmatrix} \quad 312$$

<INVERSE
OF C5 IS A
RECOVERY
MATRIX

$$G = F5 \cdot K5 = 10 \ 1 \ 0 \ -1 \ 01 \quad 314$$

<OUTPUT SYMBOL
SEQUENCE

FIG 3